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# KENTUCKY WEEKLY CROP & WEATHER REPORT



In Cooperation with:  
Univ. of Ky - Agr'l Weather Center  
U.S. Dept. of Commerce - NOAA  
Kentucky Department of Agriculture  
Cooperative Extension Service

Released weekly April - November

Issued 4:00 P.M., June 7, 2010

10-10

**AGRICULTURAL NEWS:** Sunny skies and above normal temperatures over most of the state promoted crop growth and allowed replanting of flooded fields to continue. The week was the warmest so far this year with temperatures averaging 76 degrees, 5 degrees above normal and 2 degrees above last week. Total precipitation for the week was below normal and averaged .65 inches. Thunderstorms and scattered showers hampered hay harvest and slowed planting in some areas late in the week. **Topsoil moisture** was rated as 1 percent very short, 14 percent short, 72 percent adequate, and 13 percent surplus. **Subsoil moisture** was rated as 6 percent short, 87 percent adequate, and 7 percent surplus. There were 5.3 days, out of a possible 7, suitable for fieldwork. Cutting hay, setting tobacco, planting soybeans and replanting corn were major activities for the week.

**ROW CROPS:** Ninety-eight percent of the corn had emerged compared with 84 percent last year and the five year average of 93. The average emerged corn height was 25 inches, with the most advanced height at 38 inches. Condition of emerged corn was rated at 3 percent very poor, 7 percent poor, 21 percent fair, 52 percent good and 17 percent excellent. Soybean planting progressed to 77 percent complete, ahead of both the 45 percent reported last year and the five year average of 67. As of Sunday, June 6, 63 percent of the soybeans planted had emerged, also ahead of the 29 percent last year and the five year average of 51.

**TOBACCO:** Tobacco setting made excellent progress this week with 75 percent of the burley in the ground, compared with 70 percent last year and the five year average of 73. Dark tobacco setting was also 75 percent complete, ahead of the 54 percent last year and the five year average of 65. The condition of set tobacco was reported as 2 percent poor, 23 percent fair, 61 percent good and 14 percent excellent. Eighty-eight percent of set tobacco was less than 12 inches high, with the remaining 12 percent from 12 to 24 inches in height.

**SMALL GRAINS:** Winter wheat condition was reported as 3 percent very poor, 3 percent poor, 13 percent fair, 64 percent good, and 17 percent excellent. Some acreage did not recover from the early May flooding and may be cut for hay or plowed down, while many reporters expected good yield and quality from this year's wheat crop.

**OTHER CROPS AND PASTURE:** Warm, dry weather early in the week allowed most producers to cut and cure hay before more unsettled weather arrived at the end of the week. However, a few reporters indicate hay crops did not cure well in the humid conditions and some first crop hay was very mature. Pastures showed moisture stress in a few areas with condition rated as 1 percent very poor, 2 percent poor, 18 percent fair, 61 percent good, and 18 percent excellent.

**CROP PROGRESS for week ending 06/06/10**

Crop Stage	This Week	Last Week	Last Year	5-Yr Avg
Percent				
Corn Emerged	98	94	84	93
Soybeans Planted	77	64	45	67
Soybeans Emerged	63	43	29	51
Burley Tobacco Set	75	45	70	73
Dark Tobacco Set	75	50	54	65

**SOIL MOISTURE for week ending 06/06/10**

	Very Short	Short	Adequate	Surplus
Percent				
Topsoil	1	14	72	13
Subsoil	0	6	87	7

**CROP CONDITIONS for week ending 06/06/10**

Crop	Very Poor	Poor	Fair	Good	Ex
Percent					
Corn	3	7	21	52	17
Soybeans	0	1	11	68	20
Wheat	3	3	13	64	17
Pasture	1	2	18	61	18
Tobacco Set	0	2	23	61	14

## **KENTUCKY WEATHER SUMMARY, MAY 31 – JUNE 6, 2010:**

### **Above Normal Temperature and Below Normal Rainfall:**

Just like the prior week this past week was warm and sunny most every day. Daytime highs were in the 80s and reached the 90s on a few occasions. Rainfall was isolated in the form of thunderstorms, and came late in the week. The rainfall was due to a front that set up to our north and very slowly moved toward the Commonwealth. Finally, on Sunday the front moved into the state and brought scattered thunderstorms mainly to the east.

Temperatures for the period averaged 76 degrees across the state which was 5 degrees above normal and 2 degrees warmer than the previous week. High temperatures averaged from 87 in the West to 84 in the East. Departure from normal high temperatures ranged from 2 degrees above normal in the West to 4 degrees above normal in the East. Low temperatures averaged from 69 degrees in the West to 66 degrees in the East. Departure from normal low temperature ranged from 8 degrees above normal in the West to 6 degrees above normal in the East.

Rainfall for the period totaled 0.65 inches statewide which was 0.27 inches below normal. Rainfall totals by climate division, West 0.30 inches, Central 0.92 inches, Bluegrass 0.55 inches and East 0.83 inches, which was 0.59, 0.03, 0.34 and 0.10 inches respectively below normal. By station, rainfall totals ranged from a low of 0.03 inches at Paducah to a high of 3.05 inches at Bowling Green.

Tom Priddy

### **KENTUCKY TEMPERATURES AND RAINFALL**

**FOR WEEK ENDING SUNDAY, JUNE 6, 7:00 P.M.**

Weather Station	Rainfall			Deviation From		Air Temperature				Growing Degree Days		
	Last Week	Since April 1	Last Four Wks	Norm Since Apr. 1	Norm Last 4 Wks	High	Low	Wkly. Avg.	Dev. From Norm	Last Week	Since Apr. 1	Dev. Since Apr. 1
		(Inches)				(Degrees Fahrenheit)						
Bardstown	0.26	10.79	2.45	+1.71	-1.45	89	63	76.7	+6	181	1090	+193
Berea	0.93	13.91	3.04	+4.05	-1.16	88	62	75.4	+5	175	1024	+96
Bowling Green	3.05	17.25	5.22	+7.16	+0.88	90	65	77.4	+6	184	1162	+228
Bristol	0.50	5.19	1.79	-2.72	-1.69	88	62	74.1	+4	165	1055	+225
Buckhorn Lake	0.40	9.58	2.73	+0.89	-1.02	87	64	74.6	+4	170	982	+164
Cape Girardeau	0.32	10.15	2.46	-0.16	-1.92	91	64	78.7	+6	191	1172	+201
Campbellsville	0.88	15.85	4.56	+5.09	+0.04	88	63	76.0	+5	178	1050	+128
Covington	0.56	7.79	3.85	-1.01	+0.04	86	63	75.1	+5	174	990	+196
Cumberland Gap	0.20	8.23	2.29	-1.51	-1.98	88	64	75.9	+6	178	1083	+259
Dix Dam	0.66	13.73	3.70	+4.04	-0.40	87	66	76.1	+6	181	1031	+134
Evansville	0.17	6.52	0.62	-2.95	-3.45	89	66	77.8	+5	187	1123	+219
Glasgow	1.35	13.39	3.60	+2.86	-0.91	89	66	76.9	+6	184	1114	+246
Grayson	1.11	11.81	5.15	+3.15	+1.36	86	61	74.6	+4	171	991	+234
Hardinsburg	0.19	13.76	3.06	+3.82	-1.15	88	64	76.2	+5	180	1079	+145
Henderson	0.33	8.94	1.54	-0.63	-2.45	90	66	78.4	+5	188	1122	+188
Huntington	0.76	10.03	3.88	+1.43	+0.12	88	62	75.6	+5	175	1058	+234
Jackson	1.90	11.58	5.89	+2.24	+1.95	87	64	74.2	+4	167	1091	+273
Lexington	0.05	12.29	3.77	+3.21	-0.13	88	65	75.9	+6	178	1028	+228
London	1.02	9.37	2.33	+0.47	-1.42	88	63	75.4	+5	175	1063	+239
Louisville	0.08	12.21	3.17	+2.67	-0.80	90	69	79.9	+9	198	1198	+294
Mayfield	0.14	8.34	1.85	-2.39	-2.38	90	64	78.1	+5	188	1192	+197
Nashville	0.14	19.94	2.91	+9.98	-1.27	91	65	78.1	+7	185	1219	+218
Nolin Lake	0.57	13.28	3.72	+2.49	-0.95	88	64	76.1	+5	178	1060	+175
Paducah	0.03	8.70	2.09	-2.06	-2.23	89	65	78.3	+5	188	1186	+215
Princeton	0.84	14.14	4.39	+3.61	+0.10	90	62	77.4	+4	183	1151	+187
Quicksand	0.58	8.96	3.40	-0.38	-0.54	87	62	75.1	+5	172	1065	+247
Somerset	0.66	13.52	2.89	+3.25	-1.56	87	62	75.0	+5	173	1034	+143
Spindletop	0.73	11.31	4.92	+2.23	+1.02	87	64	75.9	+6	179	1043	+243
Williamstown	0.39	9.85	3.85	+0.54	-0.03	85	65	74.9	+5	173	988	+188

The above information is provided by Tom Priddy, Kentucky Extension Agricultural Meteorologist, University of Kentucky Agr'l Weather Center (859)257-3000 ext 245. E-mail: priddy@uky.edu Additional Ky weather data available on Internet at: <http://www.wagwx.ca.uky.edu/>